

FIG.1

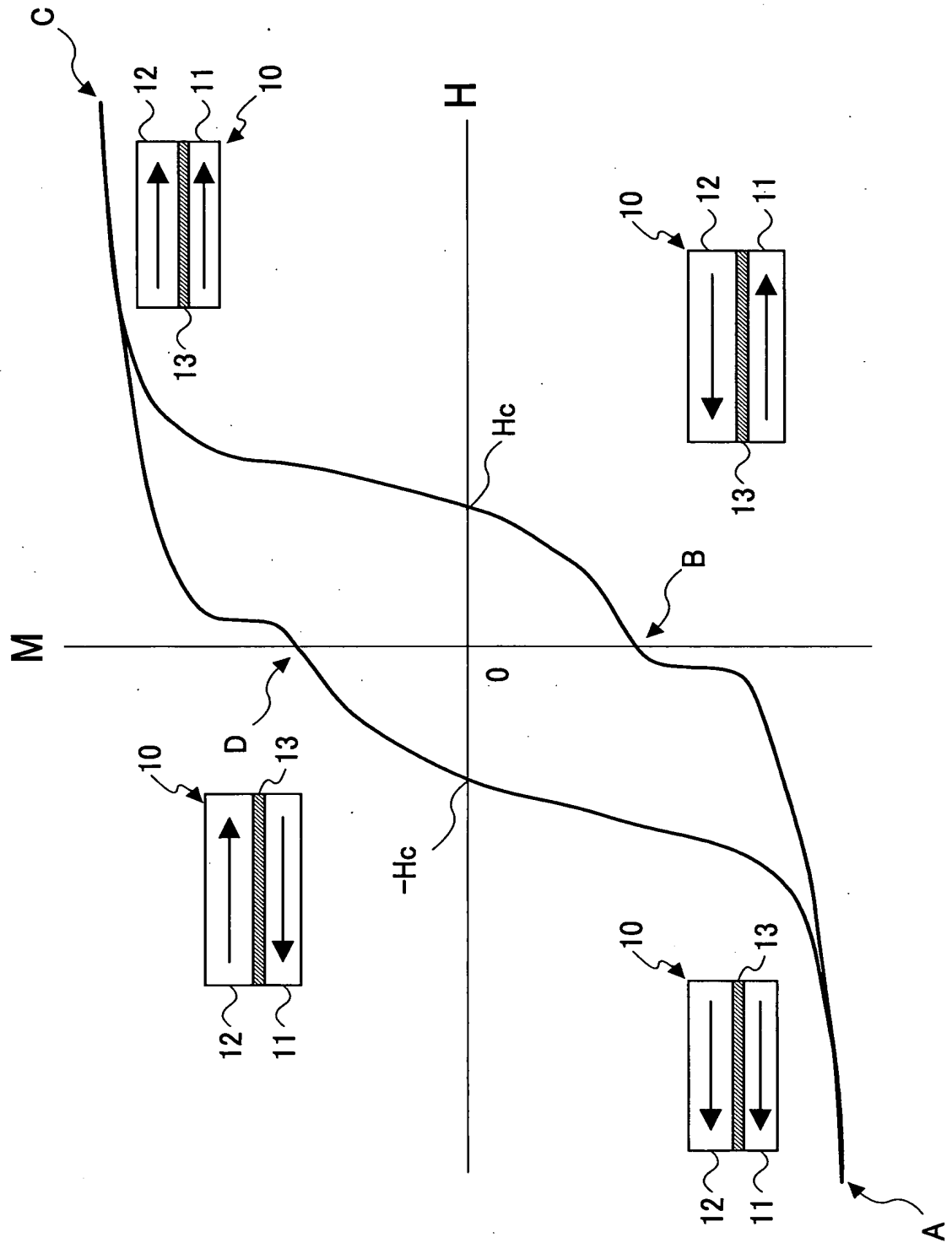


FIG.2

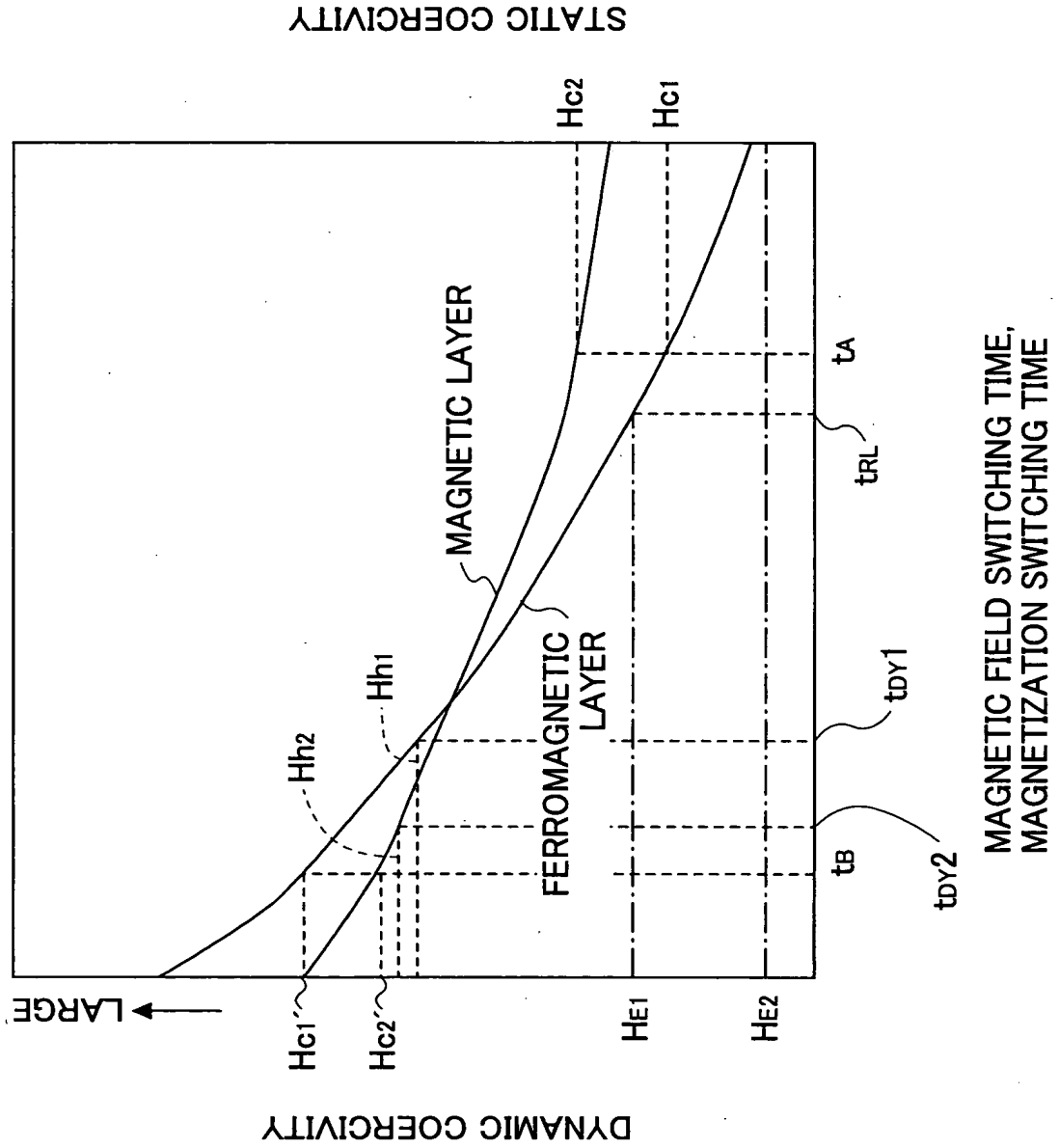


FIG.3

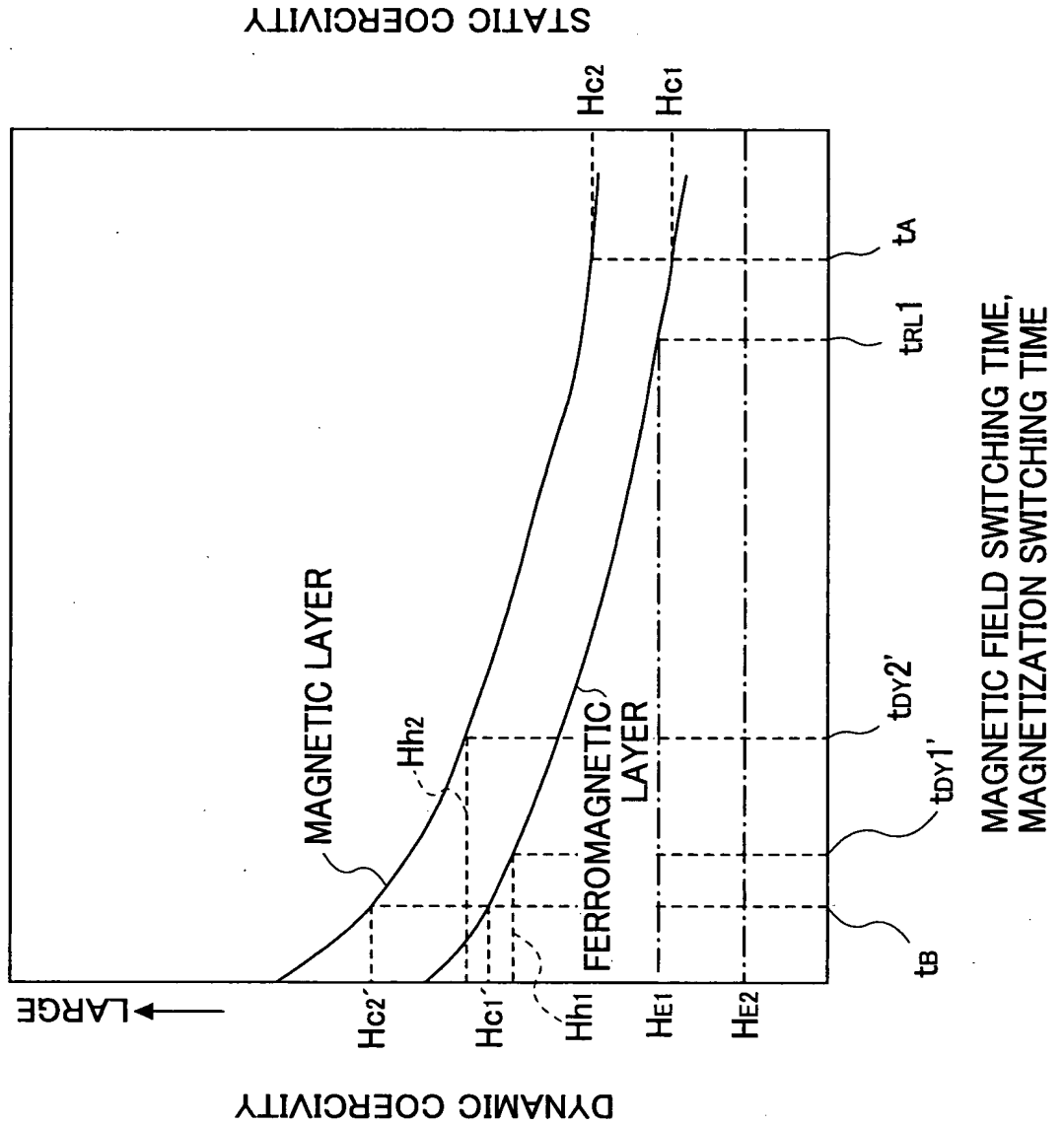


FIG.4

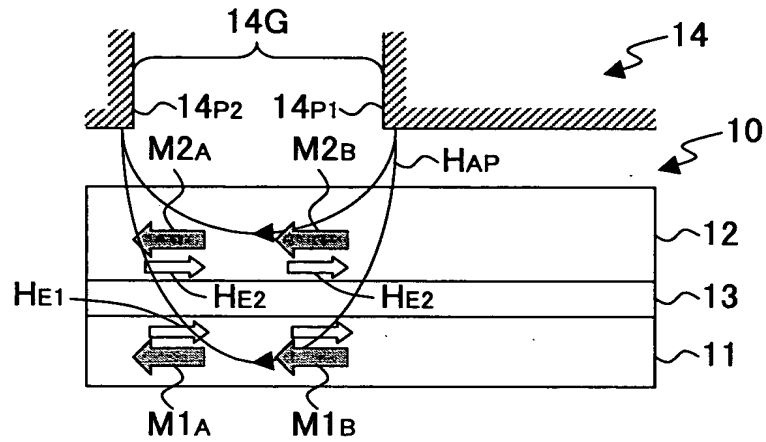
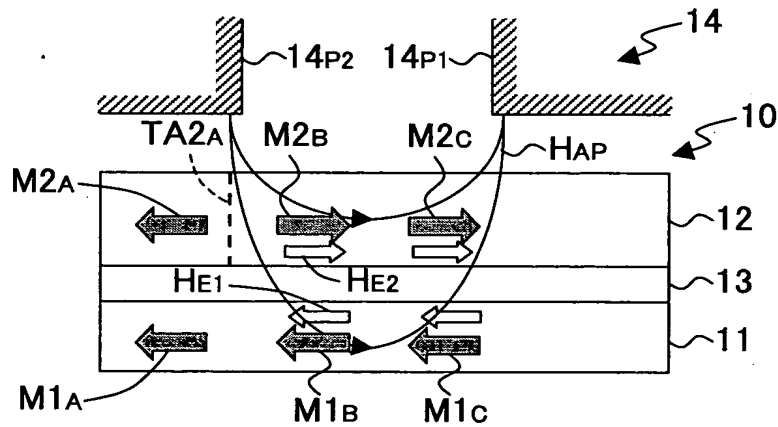


FIG.5



The diagram illustrates a four-layered structure with layers labeled HE1 (top), HE2, HE1, and HE2 (bottom). Vertical dashed lines divide the structure into four columns, labeled TA1A, TA1B, TA1C, and TA1D at the bottom. Each column contains four magnetic domains: M1A, M1B, M1C, and M1D in the bottom HE2 layer; M2A, M2B, M2C, and M2D in the top HE1 layer; and M2A, M2B, M2C, and M2D in the top HE2 layer; and M1A, M1B, M1C, and M1D in the bottom HE1 layer. Arrows indicate the direction of magnetization for each domain. The diagram shows the spatial arrangement and potential interactions between these domains across the layers.

FIG.9

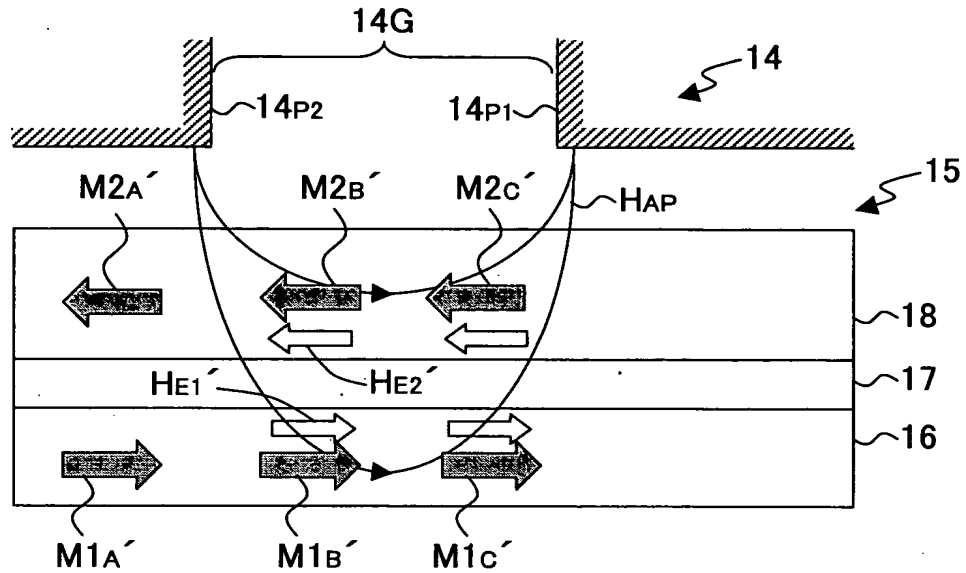


FIG.10

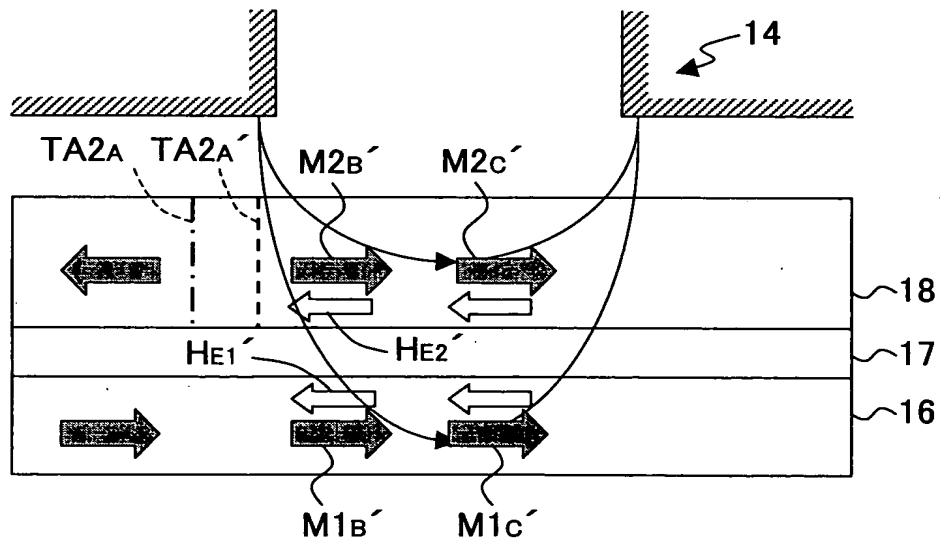


FIG.11

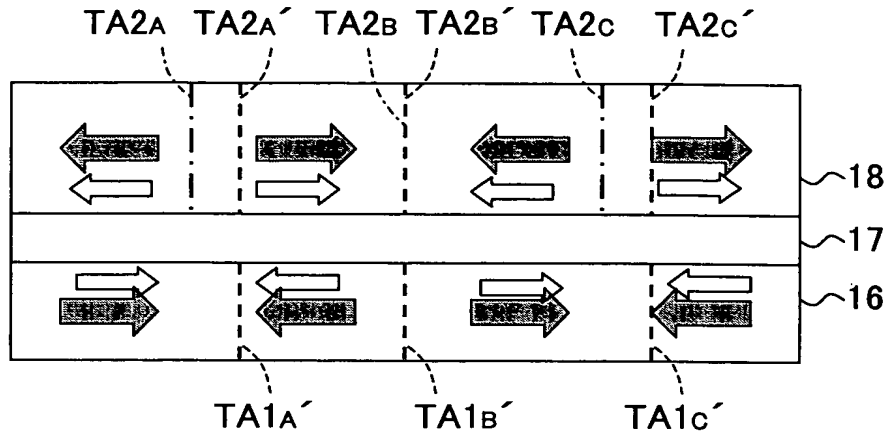


FIG.12

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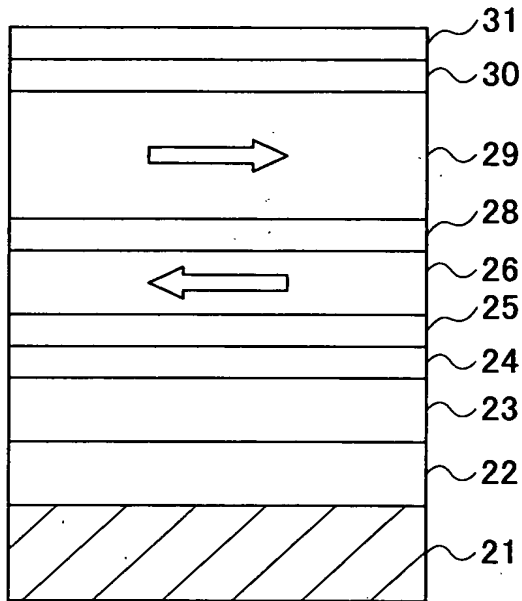


FIG.13

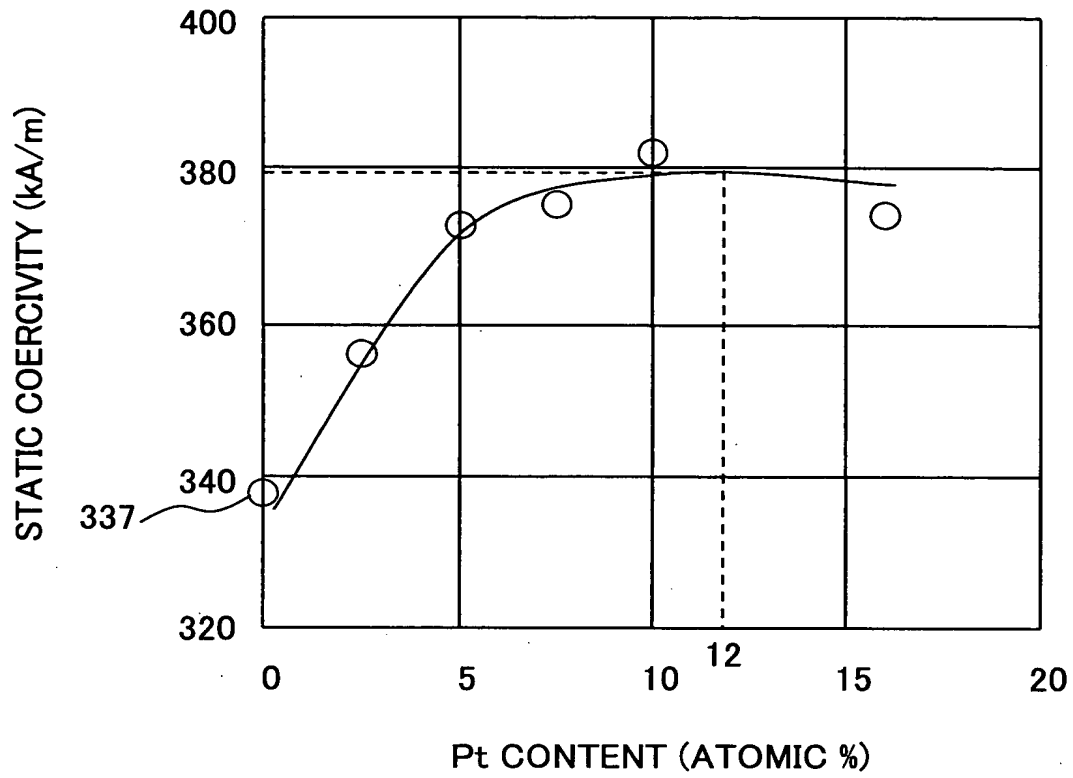


FIG.14

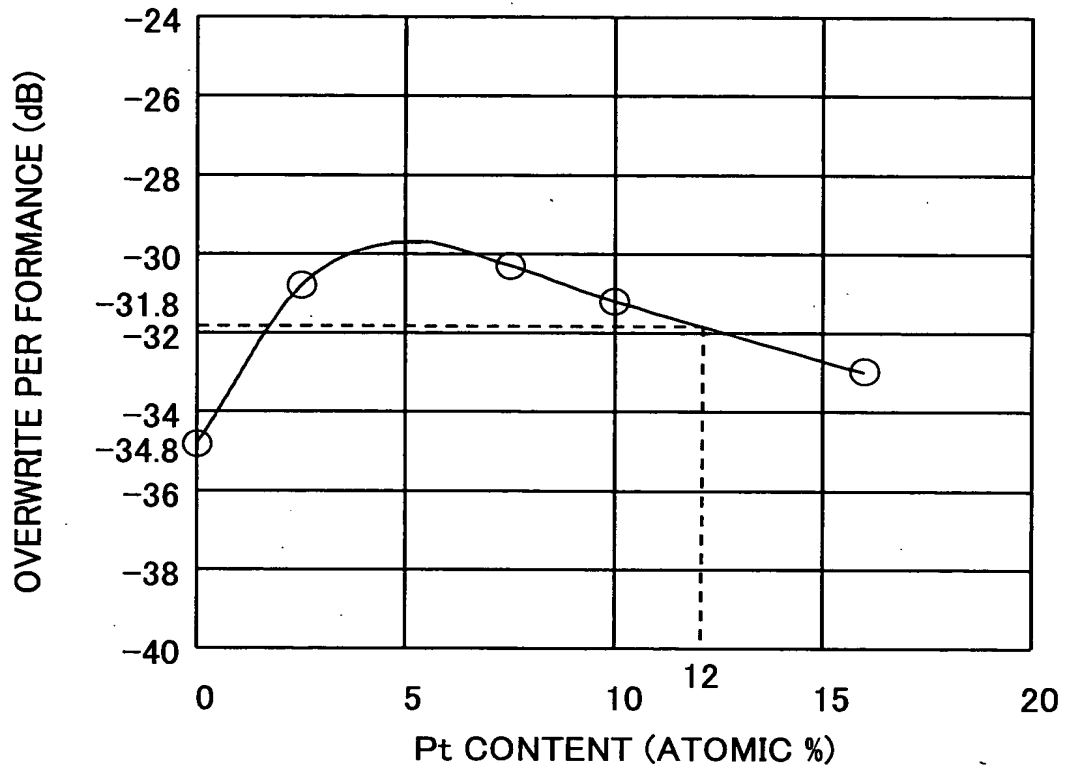


FIG.15

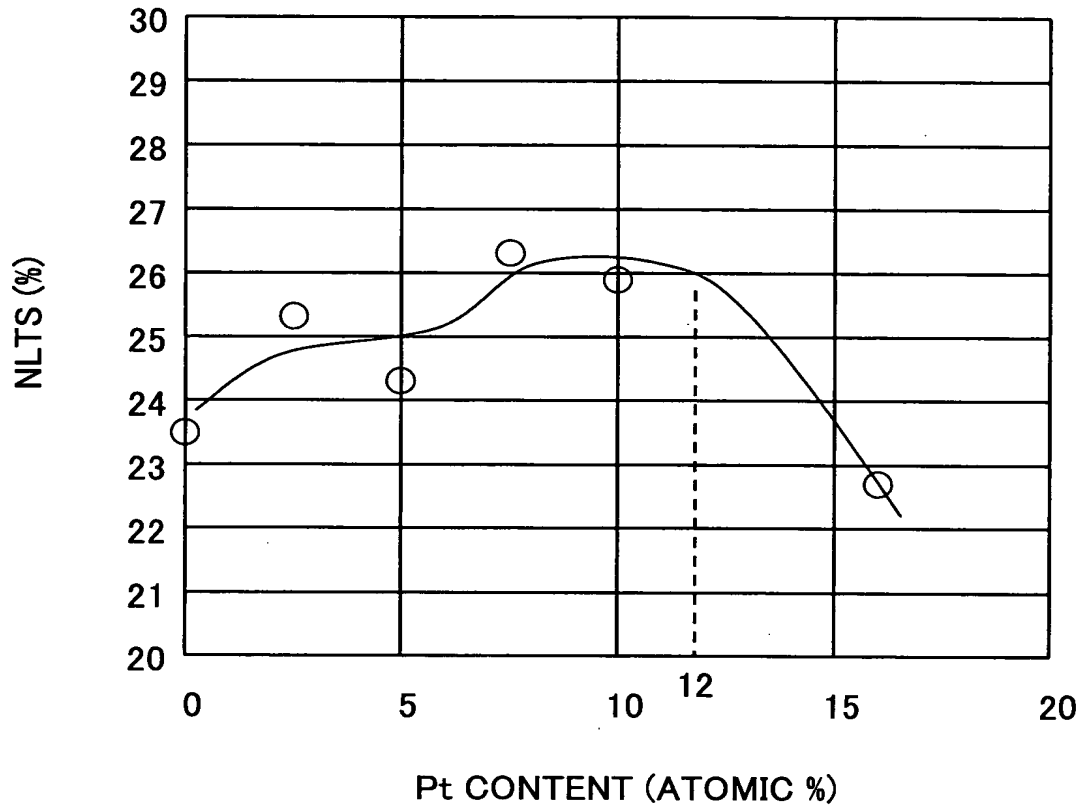


FIG.16

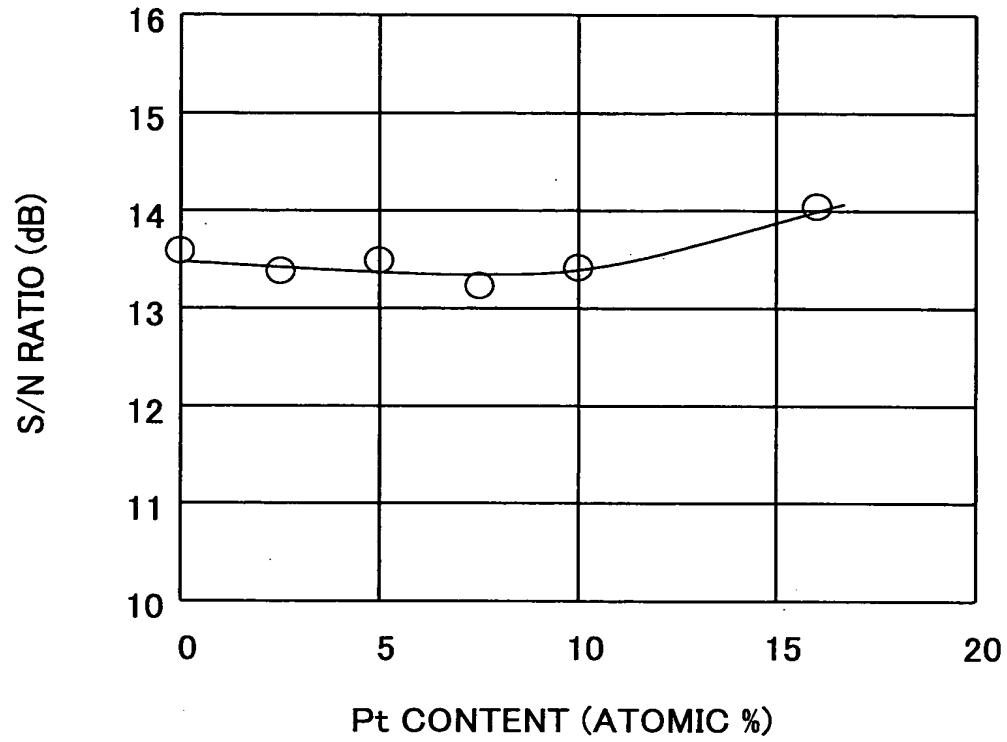


FIG.17

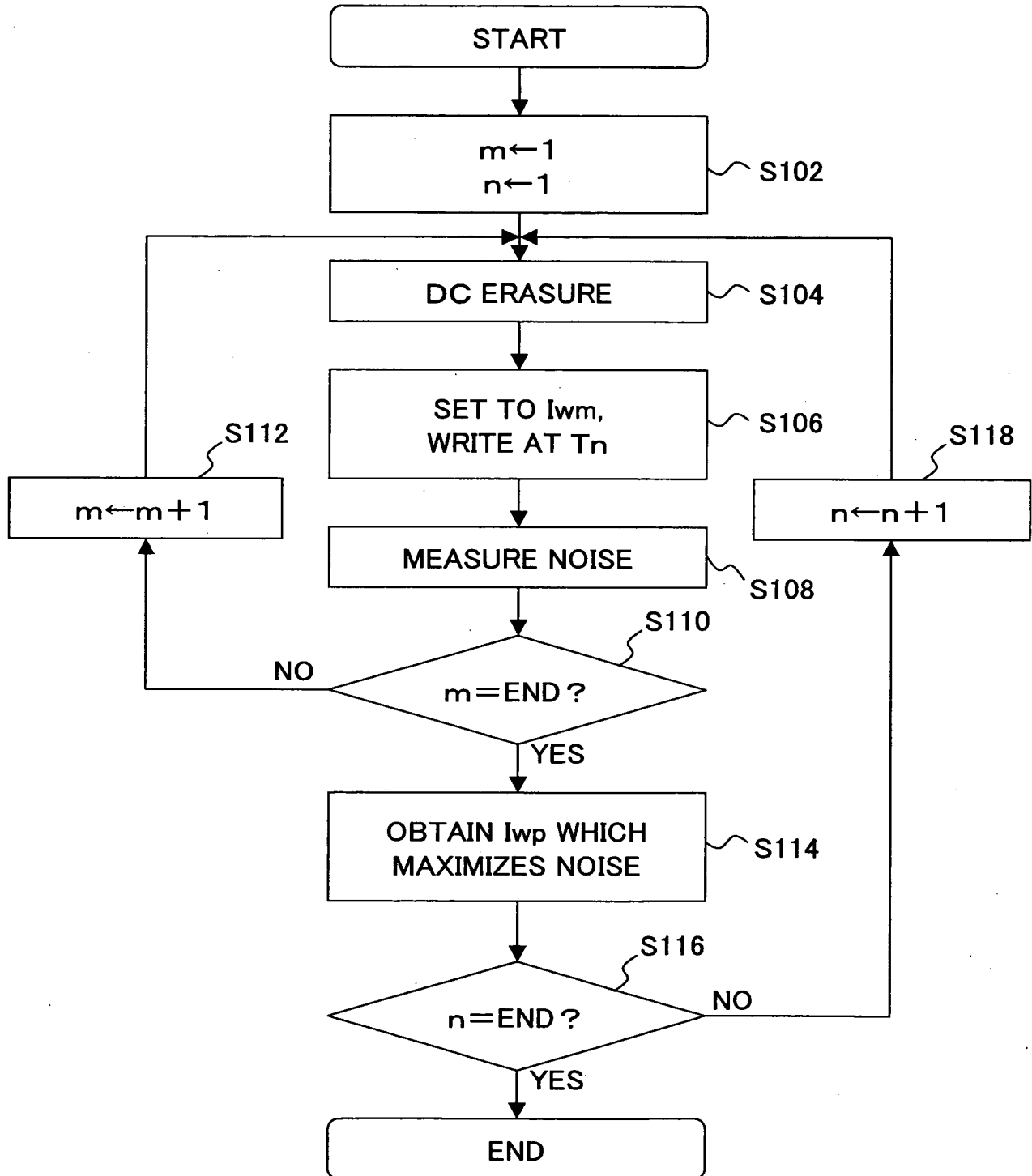


FIG.18

	FERROMAGNETIC LAYER Pt CONTENT (ATOMIC %)	MAGNETIC LAYER Pt CONTENT (ATOMIC%)	MAGNETIC LAYER DYNAMIC COERCIVITY (kA/m)	S/Nt DETERIORATION (dB/decade)
DISK D1	16	12	627.6	-0.020
DISK D2	0	12	573.6	-0.107
DISK D3	7.5	12	651.2	-0.084

FIG.19

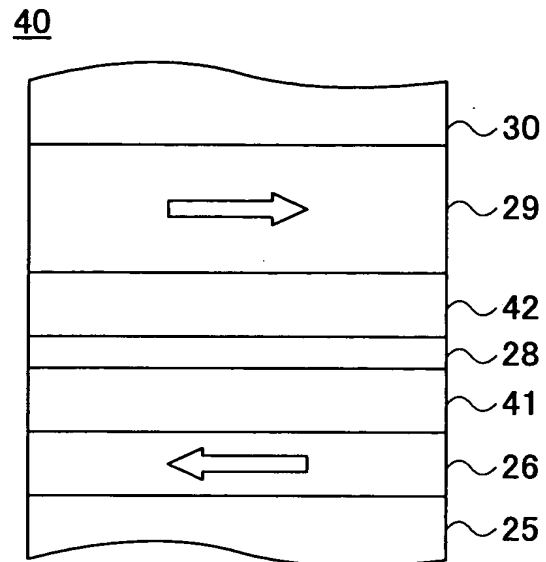


FIG.20

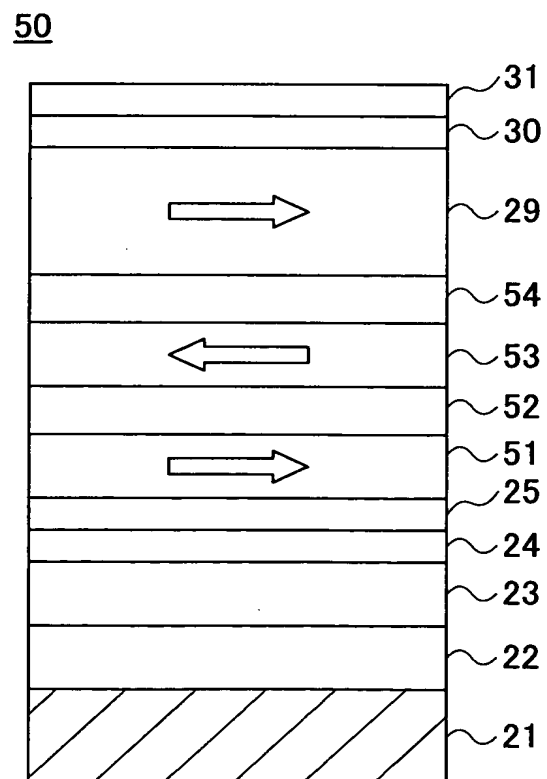


FIG.21

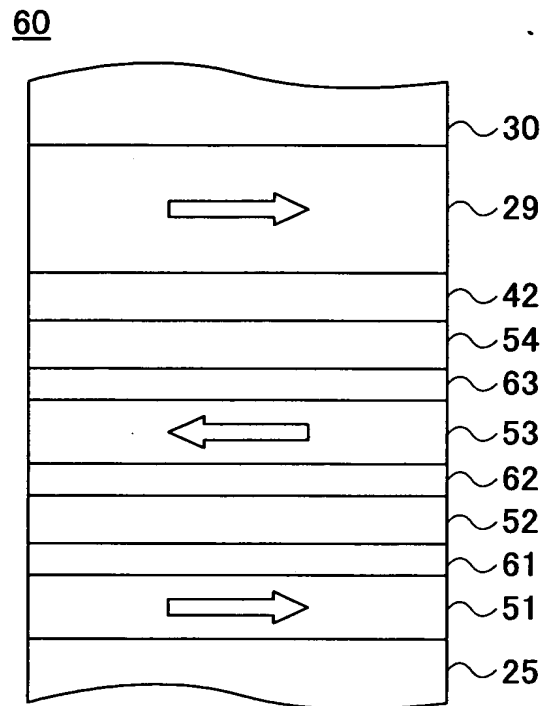


FIG.22

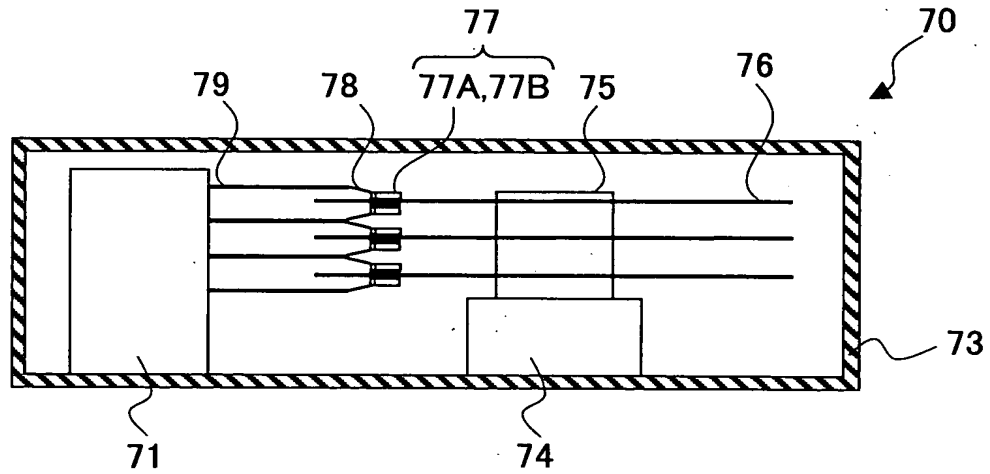


FIG.23

